

D.S.
3/27/91

ecology and environment, inc.

International Specialists in the Environment

US EPA RECORDS CENTER REGION 5



530276

Job Number FT 1305

FOS-9102-029

FMI 1233 PA

MID 985586833

PRELIMINARY ASSESSMENT: PLYMOUTH CENTER SITE
OFF-SITE RECONNAISSANCE (OSR)

E & E Job Number FT1305

Telephone Code Number NONE

Site Name PLYMOUTH CENTER SITE

SHELDON RD & 5 MILE RD

City/State NORTHVILLE, MI (WAYNE COUNTY)

TDD F05-9102-029

PAN FMI 1233 PA

SSID NONE KNOWN

PRELIMINARY OFFICE WORK DONE ON MARCH 13, 1991.

Start/Finish Date MARCH 27, 1991 / MARCH 27, 1991

Book 1 of 1

E & E Emergency Response Center: (716) 684-8940

E & E Corporate Center: (716) 684-8060

MEDTOX Hotline: (501) 370-8263

E & E Safety Director (Home): (716) 655-1260

FOS-9102-029

OFF-SITE RECON DATE: ^{3/27/91} 27/MARCH/91

WEATHER: OVERCAST 45°F.

ARRIVAL TIME: 09:15 a.m.

CHRONOLOGY OF OSR: FOUND ON PAGES 21.

PERSONNEL: (TL) CINDY SCHULTZ

(ASST) STEPHEN CONNET

(ASST) TANVEER ANJUM

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ON THE NEXT 12 PAGES, THIS SITE IS SUMMARIZED USING REDUCED TEXT FROM TAT MEMBER DANIEL CAPONE LETTERS AND FROM DATED SEPTEMBER 30, 1990 AND FROM HENRY MACEJEWSKI OF WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES-ENGINEERING DIVISION LETTER DATED OCTOBER 1, 1990.

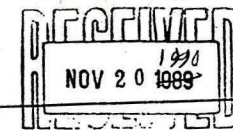
Stephen Connet
3/27/91

Stephen Connet
3/13/91

MARCH 13, 1991

FOS-9102-029

MARCH 13, 1991



River Center, 111 North Canal Street, 8th Floor, Suite 855,
Chicago, IL 60606 • (312) 993-1067 • FAX (312) 993-0226

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

September 30, 1990

Mr. Duane Heaton
Deputy Project Officer
Emergency Support Section 5HS-12
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

TAT-05-G2-02276

RE: Plymouth Center, Northville Township, Wayne County, Michigan
TDD# 5-9008-26

Dear Mr. Heaton:

On August 24, 1990 the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to conduct a release investigation at the Plymouth Center complex in Northville Township, Wayne county, Michigan. This letter report summarizes the initial TAT investigation conducted on August 24, 1990 and the subsequent TAT investigation requested by the U.S. EPA and conducted on August 29, 1990.

The Plymouth Center site encompasses a large tract of land (approximately 800 acres) northwest of the intersection of Five Mile Road and Sheldon Road in Northville Township. The site was the former location of the Plymouth Center For Human Development which housed mentally and physically handicapped children and young adults. Several buildings are situated throughout the site. The Plymouth Center For Human Development has been closed down since 1980 and the majority of the buildings have since been abandoned.

The complex is currently owned and maintained by Wayne County. Since the complex closed down, there have been frequent reports of vandalism and looting, and the Northville Township Fire Department (NTFD) has been called to the site several times to contain fires as a result of suspected arson.

On August 24, 1990 a Wayne County Sheriff's Deputy conducting a routine patrol of the Plymouth Center complex noticed a broken padlock on the boiler building which previously provided power for the entire complex. Upon entering the building to further investigate, the officer immediately began to experience symptoms of irritated eyes, throat, and skin. The officer exited the building and called the NTFD. Upon arriving at the site, an NTFD fireman entered the boiler building and immediately experienced symptoms similar to the Wayne County Sheriff's Deputy. The NTFD requested assistance from the Western Wayne County Hazmat (WWCH)

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2 team, which dispatched response personnel to the site. WWCH personnel entered the building in Level A personal protective equipment and observed a bank of approximately 60 batteries in the basement of the building, several of which had apparently leaked acid onto the concrete floor. In addition, the Hazmat personnel also observed approximately 20 drums containing various boiler cleaning compounds and corrosive materials. NTFD Assistant Fire Chief Rick Rosselle ordered the evacuation of the adjacent building to the east, which is leased by the "Meals on Wheels" organization, due to the fact that the boiler building is connected to several other buildings at the complex through a series of underground heating tunnels.

The Michigan Department of Natural Resources (MDNR) requested that the U.S. EPA respond to the incident to provide the NTFD with air monitoring and technical assistance. U.S. EPA On-Scene Coordinator (OSC) Walter Neid tasked the TAT to respond to the Plymouth Center complex at 1900 hours on August 24, 1990.

TAT member Dan Capone arrived at the scene at 1930 hours and met with Assistant Chief Rosselle of the NTFD. Assistant Chief Rosselle briefed TAT member Capone and stated that K&D Industrial Services had been contracted to clean up the building and were on their way to the site. Assistant Chief Rosselle further stated that the situation was under control and U.S. EPA assistance was not needed. TAT member Capone left the site and OSC Neid was briefed on the situation.

On August 29, 1990 Assistant Chief Rosselle contacted OSC Ralph Dollhopf to request assistance from the U.S. EPA in mitigating the threats posed by the Plymouth Center complex boiler building. The NTFD had made several requests to Wayne County officials to initiate a cleanup action at the site. NTFD officials felt that Wayne County was not responding in a timely manner. The U.S. EPA subsequently tasked the TAT to return to the site to evaluate the threats posed to human health and the environment by the conditions in the boiler building.

On August 29, 1990 TAT members Dan Capone and Andrea Urda-Thompson travelled to the site with OSC Dollhopf. The TAT and OSC met with NTFD Chief Robert Toms, NTFD Assistant Chief Rosselle, Tom Schmelzer of the Wayne County Department of Public Service (WCDPS) and Henry Maciejewski of the Wayne County Health Department (WCHD). NTFD Chief Toms informed OSC Dollhopf that on August 24, 1990, K&D Industrial Services had spread soda ash over the areas of spilled battery acid in the basement of the building. No further mitigative actions had been taken since that time. WCDPS representative Schmelzer informed OSC Dollhopf that a contractor hired by Wayne County was currently mobilizing to the site. Although the NTFD had made frequent patrols of the boiler building

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3 since the incident on August 24, there was not continuous security provided at the site.

NTFD Assistant Chief Rosselle informed the TAT and OSC of labelling information taken off the drums in the building by WWCH personnel during the response on August 24, 1990. Most of the drums contained products manufactured by Dearborn Chemical Company and included compounds called "Dearsol 30", "Alkafilm", and "Super Filmeen-22". TAT member Capone used a mobile phone and contacted Dearborn Chemical Company to obtain more information on the hazards of these products. TAT member Capone spoke with Dr. Hwa of Dearborn Chemical who stated that the above mentioned compounds were no longer produced by Dearborn Chemical. Dr. Hwa further stated that the "Alkafilm" and "Super Filmeen-22" were relatively non-toxic, inert products used to prevent boiler corrosion. Dr. Hwa also cautioned that the "Dearsol 30", a chlorinated hydrocarbon based compound used as a fuel oil combustion catalyst, may adversely react with the spilled battery acid, potentially producing toxic vapors.

Subsequent to the conversation with Dr. Hwa, OSC Dollhopf and TAT member Capone entered the boiler building in Level B personal protective equipment to assess the conditions on the inside. Upon entering the building the TAT observed poor housekeeping conditions and obvious signs of vandalism. The TAT and OSC inspected the basement of the building and made the following observations:

- o There was a mounted rack containing approximately 60 batteries, some of which appeared to have leaked their contents. The floor in this area had been previously covered with soda ash by K&D personnel to neutralize the acid.
- o Several 55-gallon drums were improperly stored throughout the basement (total of approximately 20). Labelling information revealed that several of these contained a compound manufactured by the Dearborn Chemical Company called "Dearsol 30". Other drums were labelled "Alkafilm" and "Super Filmeen-22". There were also 2 drums which contained open tops and were full of an oily sludge. Two other drums were labelled "corrosive". There were no signs of obvious leakage from any of the drums.
- o There were several other smaller containers which appeared to contain paints, lacquers, and thinners.

The TAT and OSC conducted air monitoring with a combustible gas indicator (CGI), a photoionization detector (HNU), a Photovac TIP unit, and a Sensidyne hydrochloric acid monitor. No readings above

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background were observed on any of the instruments throughout the building. OSC Dollhopf also observed a bag of material which he thought may contain asbestos.

During the inspection of the building, OSC Dollhopf and the TAT documented conditions which met the factors outlined in paragraph (b)(2) of Section 300.415 of the National Contingency Plan (NCP), which shall be considered in determining the appropriateness of a removal action. Specifically:

- o Actual or potential exposure to hazardous substances or pollutants or contaminants by nearby populations, animals, or food drain;
- o Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release.

The TAT and OSC observed obvious signs of leaking battery acid in the boiler building basement. This condition, combined with the documented improper storage of drummed wastes, some of which may react with the spilled acid, created an actual/or potential threat of release. Although the boiler building at the Plymouth Center complex is no longer actively maintained, some of the surrounding buildings are occupied and are connected to the boiler building through a series of underground heating tunnels. This condition, compiled with the documented frequent vandalism of the boiler building, created an actual and/or potential threat of exposure to the public health.

Upon exiting the building, the OSC and TAT met with WCDPS representatives, WCHD representatives, NTFD Assistant Chief Rosselle, and Ken Markey with K&D Industrial Services (contractor for Wayne County) to discuss Wayne County's plans for mitigating the threats posed by the conditions inside the boiler building. WCDPS representatives Stanley Wyre and Tom Schmeltzer agreed to immediately make arrangements to implement the following cleanup measures at the site:

- o Secure all entrances to the building including the underground heating tunnels;
- o Provide on site security.
- o Dismantle and overpack all batteries located in the basement;
- o Segregate, restage, sample, and overpack all drums containing material in the building;

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- o Collect and overpack soda ash and other debris from the basement floor which may have contacted the spilled battery acid;
- o Sample the bag of suspected asbestos containing material;
- o Collect and dispose of all small containers in the building;
- o Arrange for and complete disposal of batteries, drums, and collected soda ash/debris.

Wayne County officials agreed to supply the U.S. EPA with written correspondence outlining the above work plan objectives. The NTFD agreed to provide oversight during the cleanup activities.

Should you have any questions, or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.

Caro B/r
For Daniel Capone
Environmental Scientist

Maddy Lili
For William R. Doyle
Technical Assistance Team
Leader, Region V

DC/lh

Attachment

cc: R. Dollhopf, OSC

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Alph Lom
3/13/91

Alph Lom
3/13/91

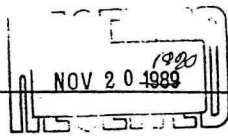
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MARCH 13, 1991



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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Mr. Duane Heaton
Deputy Project Officer
Emergency Support Section, 5HS-12
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

September 30, 1990

TAT-05-G2-02283

RE: Plymouth Center, Northville, Michigan
TDD# 5-9009-06

Dear Mr. Heaton:

On September 11, 1990, the U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to monitor the potentially responsible party (PRP) removal activities at the Plymouth Center site, in Northville, Wayne County, Michigan (Figure 1). This letter report summarizes the removal activities conducted by the PRP and the TAT activities pursuant to this task.

The Plymouth Center site encompasses a large tract of land (approximately 800 acres) northwest of the intersection of Five Mile Road and Sheldon Road in Northville Township. The site was the former location of the Plymouth Center For Human Development which housed mentally and physically handicapped children and young adults. Several buildings are situated throughout the site. The Plymouth Center For Human Development has been closed since 1980 and the majority of the buildings were abandoned.

The complex is currently owned and maintained by Wayne County. Since the complex closed, there have been frequent reports of vandalism and looting, and the Northville Township Fire Department (NTFD) has been called to the site several times to contain fires resulting from suspected arson.

On August 24, 1990, a Wayne County Sheriff's Deputy and a fireman experienced irritation of the eyes, throat, and skin after entering the boiler building at the site to investigate potential vandalism. The Western Wayne County Hazmat (WWCH) team responded to the site and determined that a bank of leaking batteries in the basement of the building was the source of the noxious vapors. WWCH personnel also noted approximately 20 drums in the basement containing boiler cleaning compounds and corrosive materials. K&D Industrial Services was contracted by the NTFD to assist in mitigating the threats posed by the site. K&D personnel spread soda ash over the spilled battery acid.

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The U.S. EPA was notified of the situation by Michigan Department of Natural Resources (MDNR) personnel. The U.S. EPA subsequently tasked the TAT to respond to the situation, but U.S. EPA assistance was declined by the NTFD.

After failing to force Wayne County (PRP) to clean up the site, the NTFD contacted the U.S. EPA on August 29, 1990 requesting assistance in mitigating the threats posed by the Plymouth Center complex boiler building. On-Scene Coordinator (OSC) Ralph Dollhopf and the TAT conducted a release investigation at the site on August 29, 1990, the results of which are detailed in the Plymouth Center Release Investigation report (TDD #5-9008-26). Wayne County representatives verbally agreed to undertake immediate cleanup actions at the Plymouth Center site on August 29, 1990 following the TAT release investigation. The U.S. EPA tasked the TAT to monitor the PRP cleanup activities on September 11, 1990.

TAT member Andrea Thompson visited the Plymouth Center site on September 11, 1990 to monitor the cleanup activities conducted by Wayne County to date. The TAT met with Mark Manor, the site project manager and the Hazardous Materials Manager for Wayne County Department of Public Service (WCDPS). Mr. Manor briefed the TAT on the activities conducted to date. The TAT then toured the facility with Mr. Manor and the following activities were documented:

- o The bank of batteries in the basement of the boiler building were dismantled, removed, and sold by Wayne County to a battery recycling company. The soda ash that K&D Industrial Services had spread on the floor to neutralize the acid had been cleaned up, except for one half of a bag which still remained.
- o The 55-gallon drums which were in the basement had been removed from the basement, overpacked, and staged on the first floor of the boiler building. The drums had been sampled and samples were sent to Wayne County's Air Pollution Control Laboratory, in Detroit, Michigan, for analysis.
- o A 24 hour site security guard was present on site.
- o Pesticides that had been stored in a nearby grain elevator building had been moved into the boiler building for security purposes (approximately four 1-gallon containers).
- o Small containers which contained paints, lacquers, and thinners had been composited into a 55-gallon drum with

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industrial absorbent. This activity had been conducted in the adjacent maintenance building.

- o Small containers which contained the paints, lacquers, and thinners had been cleaned and disposed of by Wayne County.

On September 27, 1990, a site meeting was held between TAT member Thompson, Mr. Manor and John Kamphius of WCDPS, and Fire Chief Robert Toms and Assistant Fire Chief Rick Rosselle from NTFD, to discuss the current activities and progress that had taken place at the Plymouth Center site.

During the meeting, the TAT documented that the following additional activities had been conducted by the PRP:

- o The pesticides from the grain elevator had been placed into a 55-gallon drum, however, the material had not been sampled yet.
- o The paint mixture drum containing the composited paint wastes had been moved into the boiler building and staged for security purposes.
- o Mr. Manor was currently investigating disposal options for all the drummed waste on site. He was additionally evaluating the possibility of moving the drummed wastes to an alternative NTFD or Wayne County building so that 24 hour security could be discontinued at the Plymouth Center site.

Should you have any questions, or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.

[Signature]
Daniel Capone
Environmental Scientist

[Signature]
William R. Doyle
Technical Assistance Team
Leader, Region V

DC/ec
Attachment

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MARCH 13, 1991



WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES
ENGINEERING DIVISION

EDWARD H. McNAMARA
COUNTY EXECUTIVE

G.E. SIEMERT, P.E.
DIRECTOR AND COUNTY HIGHWAY ENGINEER
(313) 224-7758

October 1, 1990

Ms. Carol A. Graszer
U.S. EPA - Region V
Emergency Support Section 5HS-12
230 South Dearborn Street
Chicago, IL 60604

CERTIFIED MAIL-
RETURN RECEIPT REQUESTED

Dear Ms. Graszer:

Re: Plymouth Center Facility, Northville Township, Michigan

This letter is to update you on the current status stemming from your Agency's PRP letter of September 13, 1990 from Mr. Robert J. Bowden, and to provide clarification of what constitutes the site.

The site is the County property on the west side of Sheldon Road which consists of fallow agricultural and wooded land with numerous abandoned buildings which comprised the Plymouth State Home and Training School. The County also owns property on the east side of Sheldon Road which was the Wayne County Child Development Center, an orphanage for retarded children, was acquired at another time and is a completely distinct and separate site and facility.

The current status of the Northville site is as follows:

1. All buildings have been surveyed. All hazardous chemicals were transported to maintenance building for commingling. As is evident from the attached list, chemicals encountered were almost all paints, sealers, etc. They were subsequently secured in the switching building.
2. Hank Maciejewski, an EPA Region V, Certified RCRA inspector, personally inspected our commingling operation, and determination of

415 CLIFFORD
DETROIT, MI 48226
(313) 224-7600

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disposal options, and also inspected containers to certify them as empty.

3. All waste has been stored in the switching building, a secured building located approximately 65 feet southeast of the fire station and approximately 50 feet from Sheldon Road. This building is a brick structure with steel double doors, and no windows.
4. Samples of unknown boiler components have been sent to Air Pollution Division for analysis; we are awaiting results.
5. The oil spilled on the floor of the maintenance building has been absorbed and placed into drums. Waste motor oil drums will be sampled this week for PCB's, and if found to be negative, will be recycled.
6. The property was surveyed for PCB transformers. Three were discovered on the west end of the property. However, they are on Detroit Edison poles, and are believed to be their property. Detroit Edison will be notified this week and you will be furnished with a copy of that notification.
7. Soda ash has been removed from the basement of the powerhouse, and is part of waste being stored at the switching building.
8. Air Pollution Division will sample the air in the Powerhouse for acids and dust this week, and will furnish sample results within 10 days of the sampling.
9. Pursuant to Mr. Dollhopf's approval, having moved all suspected hazardous chemicals to a secure building; i.e., switching building, the 24-hour guard service was discontinued Friday evening, September 28, 1990.

Handwritten:
3/13/91

MARCH 13, 1991

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APPROXIMATE SITE LOCATION - TO BE VERIFIED IN THE FIELD.

Handwritten:
3/13/91

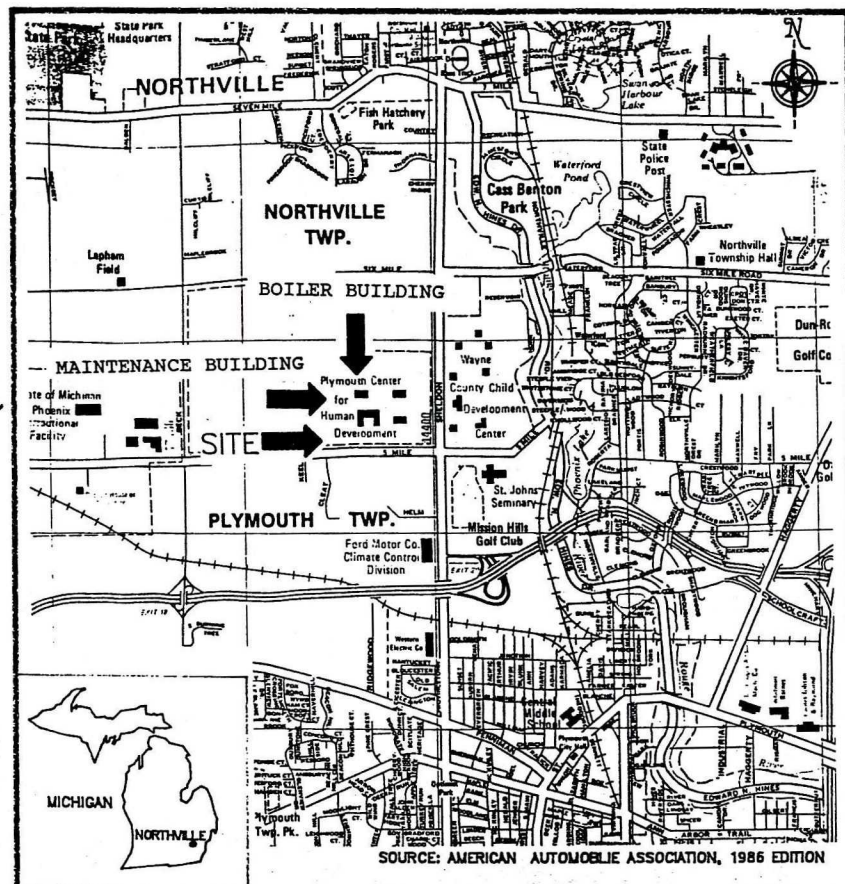

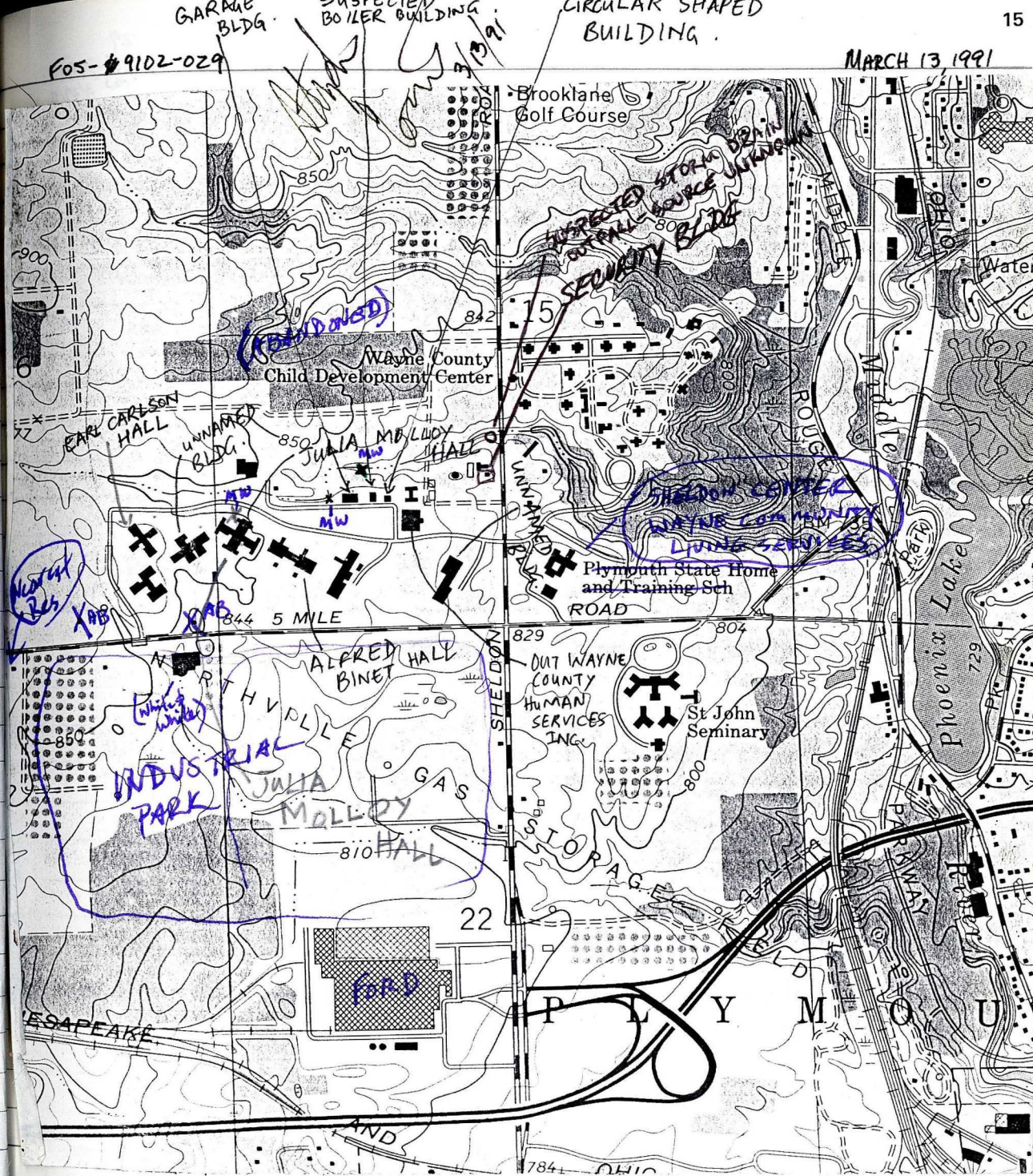


FIGURE 2
SITE MAP
PLYMOUTH CENTER
NORTHVILLE, MICHIGAN
SCALE 1 INCH = 7/10 MILE

 WESTON <small>ENGINEERS</small> <small>DESIGNERS/CONSULTANTS</small>		MAJOR PROGRAMS DIVISION
REGION V TECHNICAL ASSISTANCE TEAM		
DRAWN BY AU-T	DATE 09-13-90	PCS # 2873
APPROVED BY D. CAPONE	DATE 11-8-90	TDD # 5-9008-26

SITE FEATURES MAP FROM CAPONE LETTER
(FEATURES TO BE VERIFIED IN THE FIELD)

3/13/94



CONFIRMATION OF NEARBY DEMOGRAPHICS -
TO BE SKETCHED DURING OSR.

X - MONITORING
WELL WEST OF GARAGE
BLDG WITH PVC CAPPING.

~~X-MONITORING WELL
WITH PVC HEAD
BEHIND JULIA MOLLOY
HALL~~

X - MONITORING
WELL BEHIND
SUSPECTED BOILER
HOUSE BLDG.

3/13/91
3/23/91

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MARCH 13, 1991
3/27/91VERIFICATION OF FILE INFORMATION AS OBSERVED BY FIT
DURING OFF-SITE RECONNAISSANCE.

1) SITE LOCATION / ADDRESS / STATUS / ACREAGE:

Site is located in Industrial / Light commercial / ~~Light Residential~~ area. Exact address is not known. All buildings except the building marked 'Out-Wayne Human Services, Inc' are all vacant and are not being used. Also see (2) below. ^{Pa 3/27/91} The suspected Boiler house Bldg was approx. 50ft x 60ft in dimension.

1A) IDENTIFICATION OF BOILER BUILDING:

The building suspected to be the Boiler House bldg has been marked on the blown-up topograph map in Page 15 of Log Book.

2) IDENTIFICATION OF ADJACENT BUILDING (EAST) - "MEALS ON WHEELS"

The only building occupied and functional was this Building and the sign on the building said 'Out-Wayne Human Services, Inc'. Below that was written 'Wayne County Office of Nutrition Services'. Not sure whether this is the same as the "Meals on Wheels" office referred to in the TAT report.

3) FENCING / SECURITY / PARKING:

Access to the property is not limited. Doors of buildings which have been abandoned were open, as were the windows and access to them is open. Front door of suspected Boiler House was locked and bolted and access may not be possible. No security guards on site.

4) SITE FEATURES: BUILDINGS? SWITCHING BLDG? grounds on site.

See 1, 1A, 2, 3 ABOVE.

The switching building which has been referred to in the files earlier may be the security building which is off-site and is next to the northville TWP Fire Dept station #3 on Sheldon Road.

OTHER OBSERVATIONS RELATIVE TO (4):

^{Pa 3/27/91} Suspected house boiler house Bldg's foundation is sound. Windows are broken. There is a hole in (1sq. foot approx.) the wall in northeast corner of the building. Windows were observed to be broken.

signature
27/03/91.

signature
3/27/91

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5) CONDITION(S) OF FEATURE(S) ON SITE:

^{also} See (3) on previous page.

Apart from the building occupied by the 'Out-Wayne Human Services, Inc', all other buildings were observed to be vandalized & window panes broken. Some of the buildings had their doors open. All buildings were observed to be structurally sound but have been vandalized.

OTHER OBSERVATIONS:

None.

(4)(cont) SWITCHING BLDG - SECURITY, CONTAINMENT, PRESENCE OF DRUMS, STAINED SOILS? EST. OF WASTE QUANTITY?

Three drums were seen lying in the Garage Building whose door was open. Contents of these drums are not known. Other debris and wastes were seen strewn on the floor. The drums were photographed from the outside. (Roll # 2, frame 17 & 18)

6) MAINTENANCE BLDG - IDENT OF WASTE SOURCES, DESCRIPTION, LOCATION, CONDITION? EST. OF WASTE QUANTITY?

Maintenance Building is the same as suspected Boiler House Building. This building was locked and the wastes stored, if any, are not known. Consequently, the waste quantity is not known. Location of the suspected boiler house building has been noted in the Topographical Map on Page 15 of Log Book.

signature
27/03/91.

THE FOLLOWING PAGES THE HRS DATA GAPS HAVE
BEEN IDENTIFIED PRIOR TO THE OSR. INFORMATION RELATING
TO THESE DATA GAPS SHALL BE ENTERED IN THE FIELD
AS OBSERVED/AQUIRED.

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1) LOCATIONS ETC. OF MONITORING WELLS?

A Monitoring well (approx 2" diameter) was observed behind the suspected boiler house bldg (approx 60 feet from the north end of the Bldg). It was capped & locked. Another Monitoring well with PVC head was observed west of the garage approx. 10 ft away. It was not locked. A Monitoring well north of Julia Malloy Hall with PVC head was observed.

2) OVERLAND MIGRATION PATTERNS?
The topography in the vicinity of the suspected Boiler house Building gently slopes towards the north of the building to a drainage area that is approx. 200 ft from the north end of the suspected Boiler house Bldg. This drain slopes towards the east and ultimately drains into the Middle River Rouge which is approximately a mile from the site.

3) INTERMITTENT CREEK DESCRIPTION? DISTANCE TO?

See (2) above.

4) NORTHVILLE GAS STORAGE AREA, UPSTREAM INDUSTRIES?

See Topographical map on Page 15 where the Industrial park and the Northville gas storage area has been marked. Area south of the site across the 5 mile road is a Industrial park.

Signature
2/27/91
3/27/91

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5) DIRECTIONS TO SITE?

Proceeding on M14 W from Detroit. Exit at Sheldon Road, which is approx 2 miles from the intersection of M14 and I275. Head north on Sheldon Road for about 3/4 of a mile and up to the 5 mile road. Entrance to site is on the east side of Sheldon Road approx 1000 ft from bottom of this sewer was observed to be lower than the level of the intermittent creek (drain area) that was north of the suspected boiler house Bldg which may suggest that sewage does not flow to the creek but may be diverted to city sewer.

6) LOCATIONS OF SEWERS ON-SITE?
Sewers observed on-site. One sewer man-hole was missing found in northwest corner of the suspected Boiler house Bldg. The level at the bottom of this sewer was observed to be lower than the level of the intermittent creek (drain area) that was north of the suspected boiler house Bldg which may suggest that sewage does not flow to the creek but may be diverted to city sewer.

7) STRESSED VEGETATION ON-SITE?
Stressed Veg on A small patch (15 sq. feet area approx) was observed near NW corner of suspected Boiler House Building. This has been photographed (Roll #1, frame 11).

8) PRESENCE / CONDITION OF VEGETATIVE COVER ON-SITE?
All unpaved areas ~~were~~ ^{had} a vegetative cover. 3/27/91

9) LOCATION / TYPES OF SENSITIVE ENVIRONMENTS ON-SITE?
No wetlands observed on site.

10) TRESSPASSERS ON SITE?
None seen.

11) SUSPICIOUS ACTIVITIES ON-SITE?
None observed during our visit. except Vandalism on-site bldg as noted in pictures. 3/27/91.

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13, 1991
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12) APPARENT AIR RELEASE PROBLEM?

None.

13) HAZARDS PRESENT REQUIRING IMMEDIATE ACTION?

None.

14) POSSIBLE SAMPLING LOCATIONS?

Groundwater sampling from the three monitoring wells that have been noted in the Topo map on page 15. Soil sampling near the stressed vegetation area as noted earlier. Sediment/water sampling from the sewers near suspected Boiler House Bldg.

15) DISTANCE TO NEAREST RESIDENCE?

The nearest Residence is to the West-Southwest of the Site ~~approx~~ ^{3/27/91} _{Topograph map on Page 15.} This has been noted & marked on the

16) NEAREST D.W. WELL?

Unknown.

17) LOCATION / IDENT OF RESIDENTS, SCHOOLS, DAYCARE CTRS WITHIN 200 FEET?

- None -

18) EVIDENCE OF OFF SITE PROPERTY DAMAGE FROM SITE ACTIVITIES?

None observed.

19) SURROUNDING LAND USE:

A) NAMES, TYPES OF NEARBY INDUSTRIES?

~~Light Residential~~ / Commercial / Industrial. area -
Light

^{3/27/91}
JRC

^{3/27/91}
JRC

27
MARCH 13, 1991
JRC 3/27/91

FOS-9102-029

OSR CHRONOLOGY:

09:15 Arrived at the site. Identified the building which has been referred to as the boiler house in the TAT report. Since this could not be confirmed as the boiler house it was decided to refer this building in the log book notings as the 'suspected boiler house building'. This building was observed to be locked and the door was in good condition. The building was identified in the Topo map on page 15 and marked. There was a building approx. seventy feet ^{west} ~~east~~ of the boiler house building which may have been used as a ^{3/27/91} _{garage} earlier as it had a wide opening. It was open and 3 drums were visible from the outside. Other wastes and debris were strewn on the floor. To the ~~west~~ ^{east} of the boiler house building was a circular shaped building. These buildings were identified and marked on the Topo ~~sheet~~ ^{map} on page 15. The three buildings discussed above were observed to be vacant. Window panes on the garage building were observed to be broken indicating acts of vandalism. FIIT team member Steve Connett photographed the buildings. A monitoring well was observed just behind the northwest corner of the suspected boiler house building. This was identified in the Topo map on page 15. Sewer manholes & fire hydrants were observed on site.

At ≈ 10:15 a.m.

Drove further west of the suspected boiler house building where other abandoned & unused buildings were observed & marked on the Topo sheet on page 15. Many of these buildings had been vandalized and access to these buildings was easily possible as their doors were open. Two other monitoring wells were observed near these buildings and their approximate location was noted on the Topo sheets on page 15. Two of these buildings were identified as Julia Molloy Hall and Alfred Buiet Hall. Another building which was at the northwest corner of the site was identified as Earl Carlson Hall.

At ≈ 11:15 a.m.

Identified a building next to the Northville Township Fire ^{3/27/91}
JRC

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CHRONOLOGY (CONT'D)

MARCH 27²⁸ 1991
or 3/27/91

Department Station #3 as the suspected 'Security Building'. This was identified based on the description of location in the TAT report. This building is off-site.

At 01:00 p.m.

Drove to the bridge on the Sheldon Road over the drain (intermittent creek) which was the same one that was behind the suspected boiler house building. There was no flowing water in this drain. It was observed that any runoff in this drain could ultimately flow into the Middle River Runge.

At 1:30 p.m.

Visited the Dept of Public Works, City of Plymouth to obtain maps of Water Distribution, Sewer lines in the vicinity of the site & Flood Plain Maps. We were told that the area under consideration near the site came under the jurisdiction of Plymouth TWP.

At 2:00 p.m.

Visited the Plymouth TWP office of Public Works which was near the Industrial Parks south of the site. Were told that maps were sold at an office near the intersection of Mill road & Ann Arbor.

At 2:30 p.m.

Drove to the office mentioned above & purchased the Water Distribution, Sewer line & Flood Plain Map of the area just south of the site, i.e., south of the 5-mile Road.

At 3:15 p.m.

Visited the Northville TWP, Dept of Public Works for information on water Distribution, sewer lines & Flood Plain Map of area in the vicinity of the site & the area north of it. Obtained helpful maps from this office.

At 3:55 p.m.: Depart to Comfort Inn Motel.

W. J. W.
03/27/91

Roll # 1

KODAK KODACOLOR
GOLD 400
GC 135-36 EXPOSURES
400 SpeedMARCH 27²⁸ 1991
or 3/27/91

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PHOTO LOG

ROLL #1	FRAME	DATE/TIME	DIRECTION	SUBJECT
Focus 70 mm.	1	03/27/91. 09:30 a.m.	NE	Unidentified round circular shaped bldg east of the suspected Boiler House Bldg.
28 mm	2	03/27/91 9:	N	Suspected Boiler House Bldg.
28 mm.	3	03/27/91.	NW.	Garage Bldg
Focus 70 mm.	4	03/27/91. 09:42	E.	Open Manhole - North West of Boiler House Bldg.
28 mm	5	03/27/91 09:44 a.m.	S.	South side of suspected Boiler House Bldg.
28 mm.	6.	03/27/91 09:45 a.m.	E.	Seasonal creek (unnamed)
28 mm.	7	03/27/91. 09:47 a.m.	S.	— Same as above — including suspected Boiler house Bldg.
28 mm.	8	03/27/91. 09:50 a.m.	S.	— Same as above —
28 mm	9	03/27/91 09:52 a.m.	S.	East side of suspected Boiler House Building.
28 mm.	10	03/27/91 09:55 a.m.	SE.	South side of circular shaped Bldg.

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PHOTOLOG (CONT'D)

ROLL #	FRAME	DATE/TIME	DIRECTION	SUBJECT
Focus 70 mm	11.	03/27/91. 09:57 a.m.	NE. SE	Close up of stressed vegetation near NW corner of the suspected Boiler House Bldg.
50 mm	12.	03/27/91 10:00 a.m.	W	Perspective showing North of the suspected Boiler house Bldg with the monitoring well behind it.
50 mm.	13	03/27/91 10:02 a.m.	SW	Door in north east corner of Bldg - (Boiler house Bldg) showing Remnants of Barrier tape
50 mm	14	03/27/91 10:10 a.m.	SE	Showing Remains of barrier tape in the vicinity of the suspected Boiler house Bldg
50 mm.	15	03/27/91 10:12 a.m.	E	Same as above
50 mm.	16	03/27/91. 10:13 a.m.	N	Monitoring Well with Pre (2" dia) unlocked. Approx 1 ft from West of the garage Bldg.
28 mm	17	03/27/91 10:15 am	S	Abandoned Bldg - Alfred Binet Hall
28 mm.	18	02/27/91 10:16 am	NW - from 2/27/91.	

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PHOTOLOG (CONT'D)

ROLL #	FRAME	DATE/TIME	DIRECTION	SUBJECT
28 mm.	19	03/27/91	SE.	Fire hydrant along side of Road.
2	20			
	21.			
28 mm	22.	03/27/91. 10:40 a.m.	N.	Unnamed Bldg north of Julia Molloy Hall - showing signs of vandalism that has occurred.
28 mm	23	03/27/91 11:15 a.m.	W.	Entrance to the site from Sheldon road.
70 mm.	24	03/27/91 11:17 a.m.	NW.	Suspected 'Security Building' close to the next to the ^{pg. 3/27/91} Northville Township Fire Dept Station #3.
28	25	03/27/91 11:20 a.m.	N.	suspected 'Security Building' with the Fire Dept in the Background.
70 mm.	26	03/27/91 11:22 a.m.	N along main 03/27/91	close-up of the discharge pipe possibly from the suspected

ROLL # 2

MARCH 27, 1991

PHOTOLOG (CONT'D)

Focus	Frame	Date/Time	Direction	Subject
105 mm	17	03/27/91 09:37 a.m.	W.	Garage Bldg next to suspected Boiler House. 2 Drums inside the garage.
105 mm	18	03/27/91 09:38 a.m.	W.	Garage Bldg Same as above Another Drum inside the garage.
105 mm	19	03/27/91 09:40 a.m.	W.	Same as above

ROLL # 2

Roll which had earlier been used for F & W Barrel Site photographs on Tuesday (03/26/91) was used on a continued basis. For this site (Plymouth Center site) only 2 photographs Roll #2, frame 17, 18 were taken).

Roll # 2

KODAK FILM, 35 mm.

Gold 1600 Speed

24 exp. film.

GF135-24

anfang
03/27/91.

MARCH 27, 1991

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PHOTOLOG (CONT'D)

Focus	Frame	Date/Time	Direction	Subject
28 mm	19 27	03/27/91 1:05 a.m.	SE.	Drainage area which continues from the area behind the suspected Boiler house. Photographed from the bridge over culvert on this drain on Sheldon Road.
28 mm	28	03/27/91 1:06 a.m.	N	Same area as above. Photograph also shows an outfall on the southern banks of the drain which was possibly a stormwater outlet.

anfang
03/27/91.

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DATA GAPS (CONT'D)

19) IDENT / LOCATIONS OF NEARBY RESIDENCE?

See Page # 20, Question # 15 for answer to the above.

20) EXPOSED WELL HEADS IN NEIGHBORHOOD?

None observed.

21) PROBABLE POINT OF ENTRY?

Probable point of entry from site to the surface water would be through the unnamed drain north of the suspected Boiler house building. This unnamed drain ultimately drains into the Middle River Rouge. See also page 27, Question # 2. There was no flowing water in the unnamed drain behind the site at the time of inspection. This drain is probably an intermittent drain.

22) PRESENCE OF ON-SITE S.W. DIVERSION STRUCTURES?

None observed.

23) STRESSED VEGETATION DOWNSTREAM?

None observed in the vicinity of the site.

24) SENSITIVE ENVIRONMENTS DOWNSTREAM?

Since the wastes are inside building there are no overland migration pathways to surface waters.

25) PRESENCE OF DISCOLORED SW. / SEDIMENTS DOWNSTREAM?

None observed.

[Signature]
3/29/91

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26) PRESENCE / LACK OF WILDLIFE DOWNSTREAM?

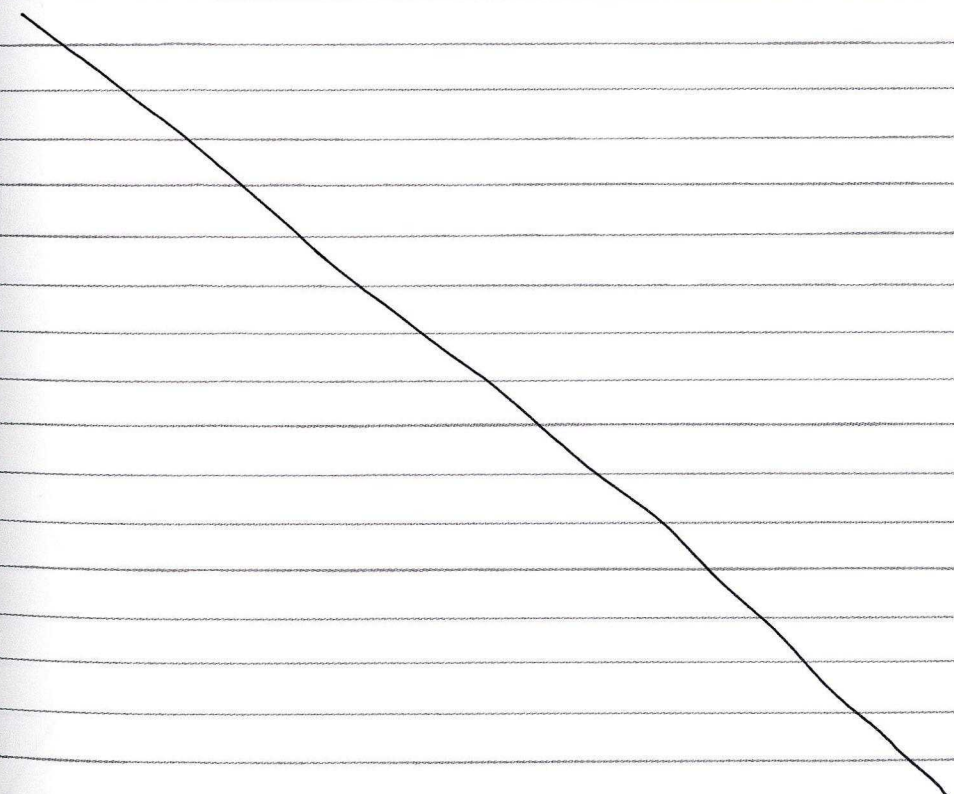
No obvious presence/lack of wildlife observed due to conditions attributable to site.

27) LOCATION OF S.W. INTAKES WITHIN 15 MILES DOWNSTREAM?

Surface water Route not relevant. See explanation in Question 24, page 28.

28) OTHER INDUSTRIAL SOURCES DOWNSTREAM?

Not Relevant. Same explanation as for Question 24 in page 28.



[Signature]
03/29/91.

[Signature]
3/29/91